

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 12-2004)

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

60562-003

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**10/521 481**INTERNATIONAL APPLICATION NO.  
PCT/US2003/023144INTERNATIONAL FILING DATE  
24 July 2003 (24-07-03)PRIORITY DATE CLAIMED  
26 July 2002 (26-07-2002)TITLE OF INVENTION  
PIPE COUPLING AND METHOD

APPLICANT(S) FOR DO/EO/US

Theodore H. KRENGEL; Curtis R. BROWN

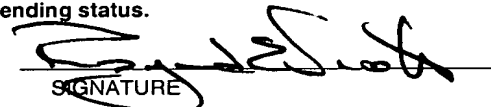
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau). *courtesy copy*
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

**Items 13 to 23 below concern document(s) or information included:**

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. **EV 612875590 US**
23. ☒ Other items or information: **Express Mail certificate, postcard**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5) <b>10/521481</b>		INTERNATIONAL APPLICATION NO. <b>PCT/US03/023144</b>		ATTORNEY'S DOCKET NUMBER <b>60562-003</b>	
24. The following fees are submitted:				Applicant use	Office use
<input checked="" type="checkbox"/> a) Basic national fee .....		<b>\$300.00</b>		\$ <b>\$300.00</b>	
<input checked="" type="checkbox"/> b) Examination fee .....		<b>\$200.00</b>		\$ <b>\$200.00</b>	
<input checked="" type="checkbox"/> c) Search fee .....		<b>\$500.00</b>		\$ <b>\$500.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1000.00</b>		\$ <b>\$1,000.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE		
- 100 =	/50 =		x \$250.00	\$ <b>\$0.00</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	14 - 20 =	0	x \$50.00	\$ <b>\$0.00</b>	
Independent claims	2 - 3 =	0	x \$200.00	\$ <b>\$0.00</b>	
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00				\$ <b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ <b>\$1,000.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ <b>\$500.00</b>	
<b>SUBTOTAL =</b>				\$ <b>\$500.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ <b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				\$ <b>\$500.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				\$ <b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				\$ <b>\$500.00</b>	
Amount to be refunded:				\$	
Amount to be charged:				\$	
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <b>\$500.00</b> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>08-2789</b>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p>					
<p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>					
SEND ALL CORRESPONDENCE TO:					
<p>Raymond E. Scott Howard &amp; Howard Attorneys, P.C. 39400 Woodward Avenue Suite 101 Bloomfield Hills, MI 48304</p>					
<p> SIGNATURE Raymond E. Scott</p>					
NAME					
22,981					
REGISTRATION NUMBER					

**PATENT COOPERATION TREATY  
BEFORE THE IPEA/US**

Applicant: **Krengel et al.**  
Int. App. Number **PCT/US03/023144**  
Serial Number **Unknown**  
Filed: **Herewith**  
Title: **PIPE COUPLING AND METHOD**  
Attorney Docket No.: **60562-003**

**EXPRESS MAIL CERTIFICATE**

Express Mail Label Number: **EV 612875590 US**

Date of Deposit: **January 20, 2005**

I hereby certify that the following attached papers or fees:

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED  
OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 ( 2  
PAGES)

NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE  
INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES  
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PCT AND  
INTERNATIONAL SEARCH REPORT

PCT WRITTEN OPINION

NOTIFICATION OF RECEIPT OF RECORD COPY

POSTCARD

CHECK IN THE AMOUNT OF \$500.00

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to "Commissioner for Patents, MAIL STOP PCT, P.O. Box 1450, Alexandria, Virginia 22313-1450".

  
Natalya DeVries